

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing Of Claims:**

1.-12. (Canceled)

13. (New) A window-integrated antenna in a vehicle, comprising:

a first decoupling and matching circuit;

a first conductor configuration for FM reception and provided one of in and on a window of the vehicle, the first-conductor configuration including heating conductors supplied via the first decoupling and matching circuit;

a second conductor configuration for AM reception and spatially separated from the first conductor configuration; and

a second decoupling and matching circuit via which heating conductors of the second conductor configuration are supplied, wherein the second decoupling and matching circuit is situated downstream from the first decoupling and matching circuit.

14. (New) The window-integrated antenna as recited in Claim 13, wherein the second decoupling and matching circuit is split in two subsections.

15. (New) The window-integrated antenna as recited in Claim 13, wherein the heating conductors of the second conductor configuration form one of a heating conductor loop and multiple parallel heating conductor loops.

16. (New) The window-integrated antenna as recited in Claim 13, wherein:

the first conductor configuration takes up at least 2/3 of a height of the window,  
and

the second conductor configuration, situated parallel to the first conductor configuration, takes up the rest of the height of the window.

17. (New) The window-integrated antenna as recited in Claim 13, wherein the heating conductors of the first conductor configuration and the second conductor configuration are connected at one side to a frame potential.

18. (New) The window-integrated antenna as recited in Claim 13, wherein the second decoupling and matching circuit includes two filter structures at both sides of the window.
19. (New) The window-integrated antenna as recited in Claim 18, wherein the window includes a rear window.
20. (New) The window-integrated antenna as recited in Claim 14, wherein the subsections include two filter structures on the window, a rear window.
21. (New) The window-integrated antenna as recited in Claim 20, wherein the window includes a rear window.
22. (New) The window-integrated antenna as recited in Claim 13, wherein:
  - the second decoupling and matching circuit is situated in a shunt circuit of the first decoupling and matching circuit, and
  - in comparison to an overall heating current, the second decoupling and matching circuit is supplied with a lower direct current than the first decoupling and matching circuit.
23. (New) The window-integrated antenna as recited in Claim 13, wherein the second conductor configuration includes a conductor loop having terminal ends provided at one side of the window.
24. (New) The window-integrated antenna as recited in Claim 23, wherein the window includes a rear window.
25. (New) The window-integrated antenna as recited in Claim 20, wherein the second conductor configuration includes an unfolded printed conductor having terminal ends provided at sides of the window opposite to each other.
26. (New) The window-integrated antenna as recited in Claim 18, wherein the window includes a rear window.
27. (New) The window-integrated antenna as recited in Claim 25, wherein the terminal ends of the unfolded printed conductor are each connected to one of the two filter structures.

28. (New) The window-integrated antenna as recited in Claim 20, wherein only one of the two filter structures is provided for coupling out an AM antenna signal.